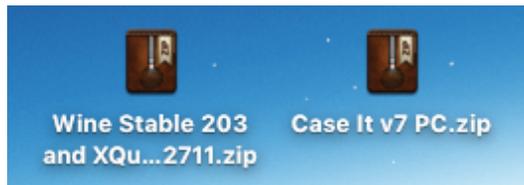


## HOW TO RUN CASE IT SOFTWARE ON A MAC (OSX 10.8 OR HIGHER)

Update 1/30/20: These instructions show how to run on Case It on Mojave 10.14 or earlier Mac operating systems. To run Case It on Catalina (10.15), [see these instructions](#). Case It also runs on Windows 10 or earlier Windows operating systems. Case It v7.exe is a Windows application\*, but can easily be run on Mac OSX after following the steps below. These steps only have to be done once, and after that Case It v7.exe (or Case It v6.07.exe) will run on a Mac the same way that it does on Windows.

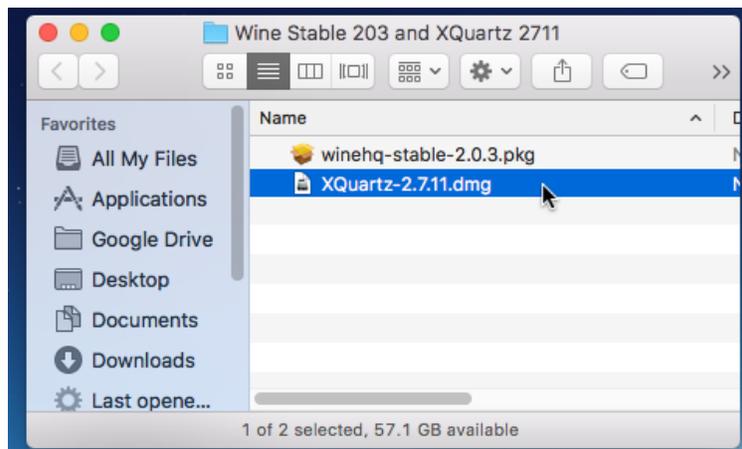
\* To run Case It on Windows, simply extract the Case It v7PC.zip file and open the executable file as shown in Step 12 below. It is not necessary to install Wine and XQuartz to run Case It on Windows.

1. Download two files separately from the [Case It web site](#): one file called “Wine Stable 203 and XQuartz 2711.zip”, and a second file called “Case it v7 PC.zip”.

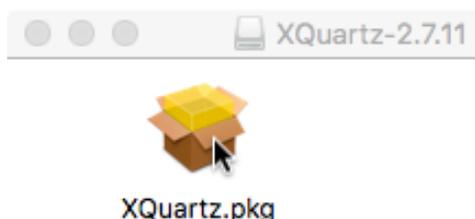


**IMPORTANT:** Use **only** the version of Wine Stable (2.0.3) available at the Case It web site.

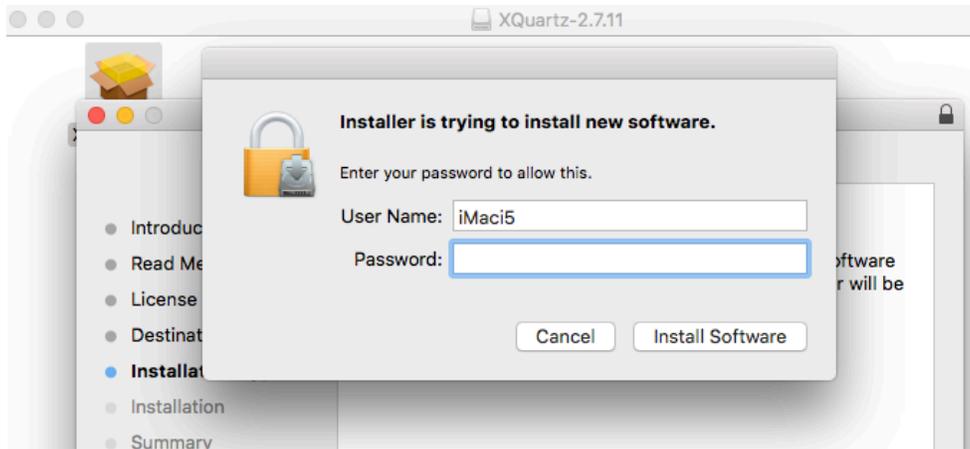
2. First, double-click on “Wine Stable 203 and XQuartz 2711.zip”, and open the extracted folder.
3. Next, double-click on XQuartz-2.711.dmg as shown below:



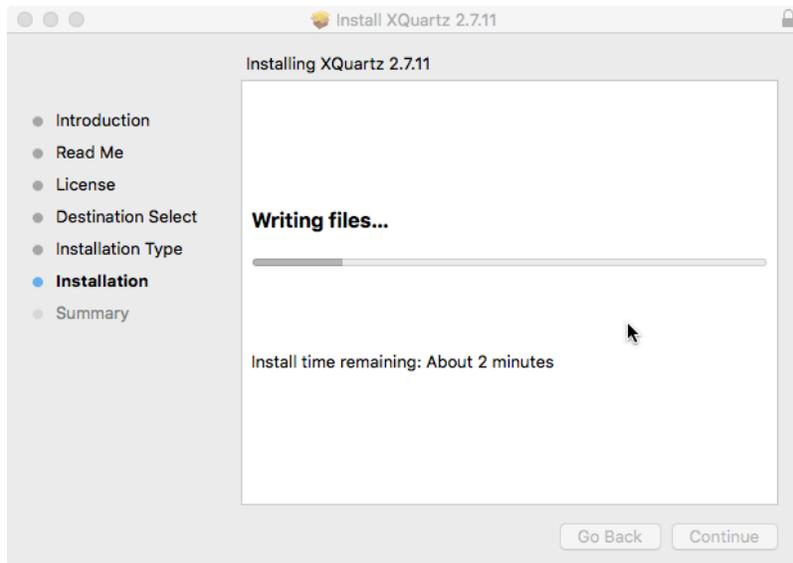
4. The XQuartz package will appear. Double click on the package:



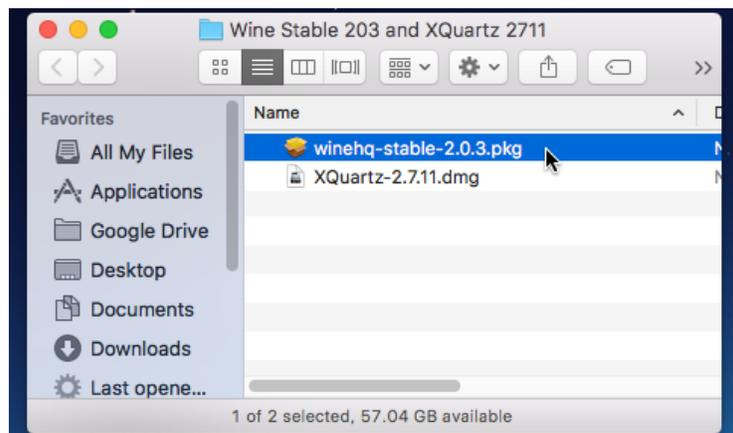
5. You may need to provide an administrative password to install XQuartz.



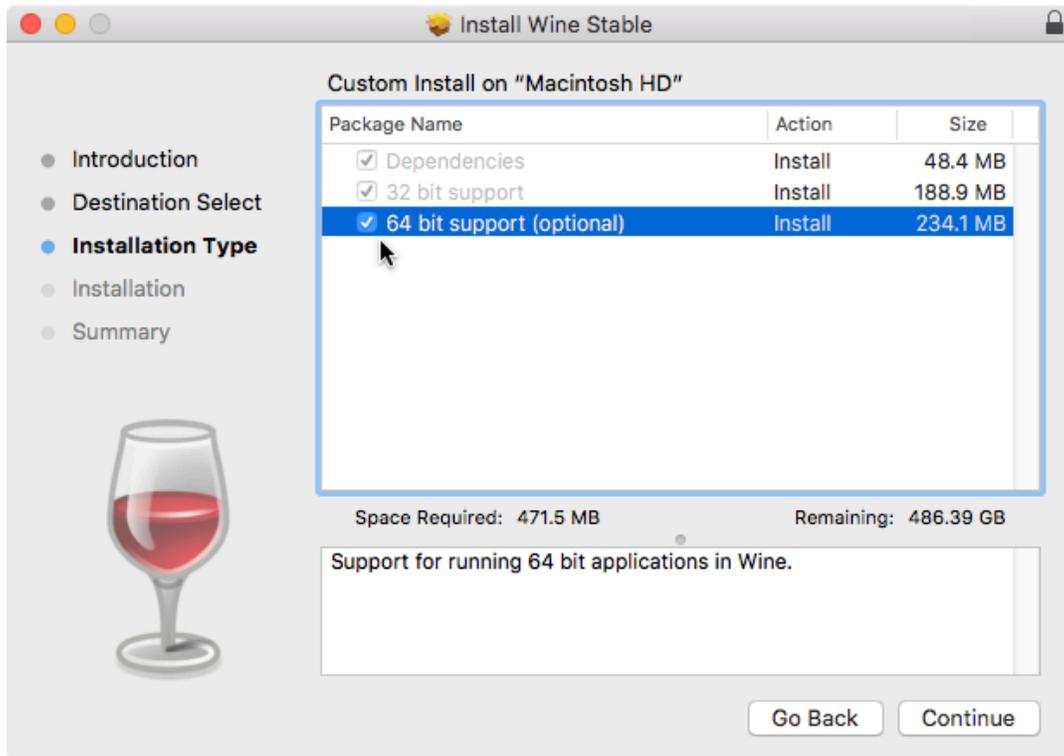
Be patient, as it may seem like the installer is hung up, but it will finish after several minutes.



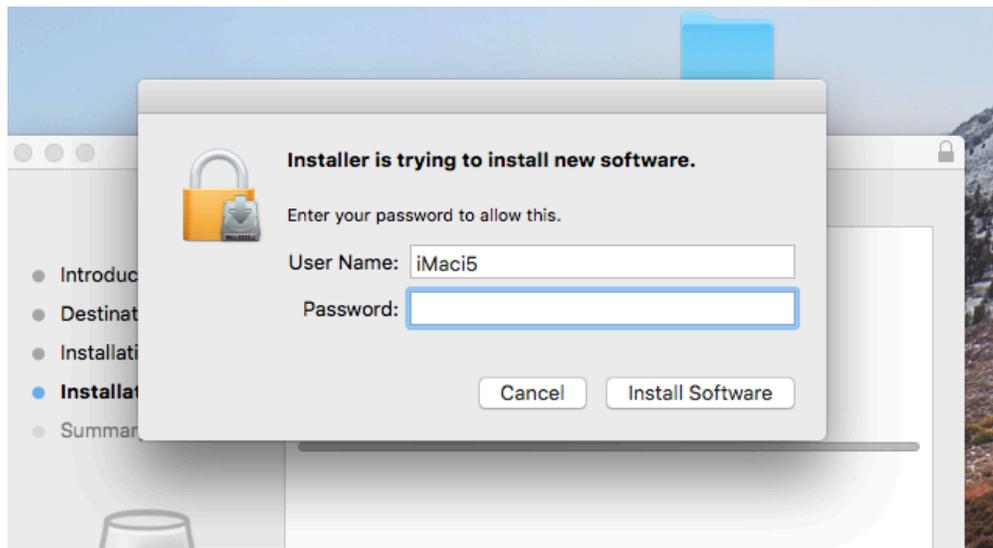
6. After XQuartz is installed, double-click file 'winehq-stable-2.0.3.pkg'



7. IMPORTANT! During the installation process, click the '64-bit support' check box , otherwise Case It will not open properly.



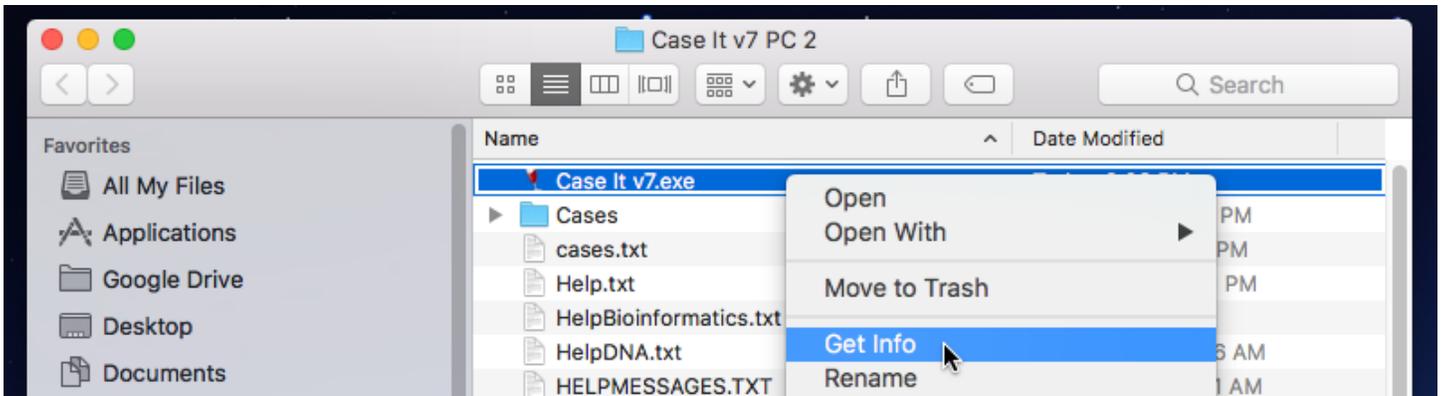
8. It may be necessary to type in the administrative password to install Wine Stable.



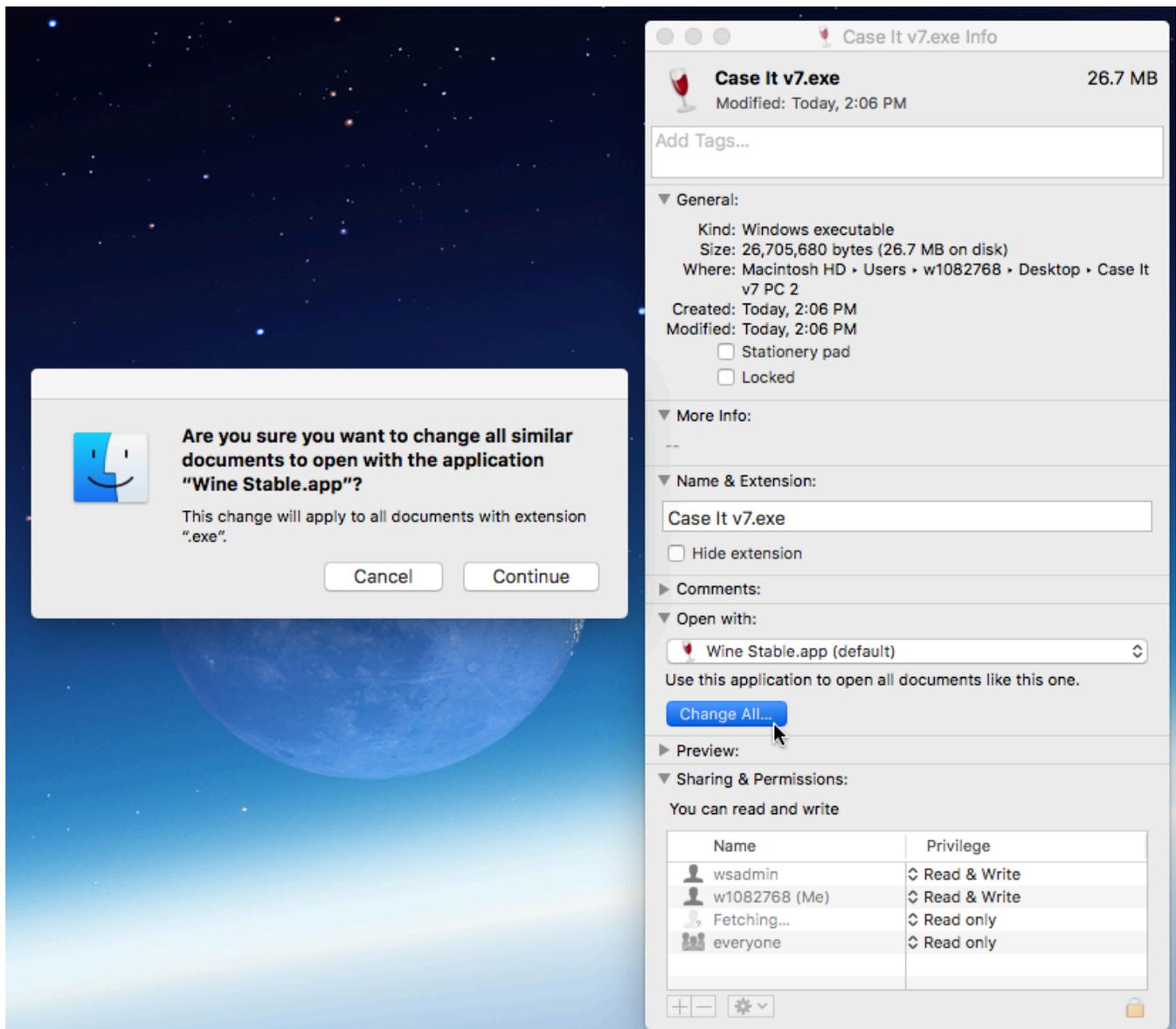
9. Once Wine Stable is installed, double-click the "Case It v7 PC.zip" file (the second file you downloaded) to unzip it.



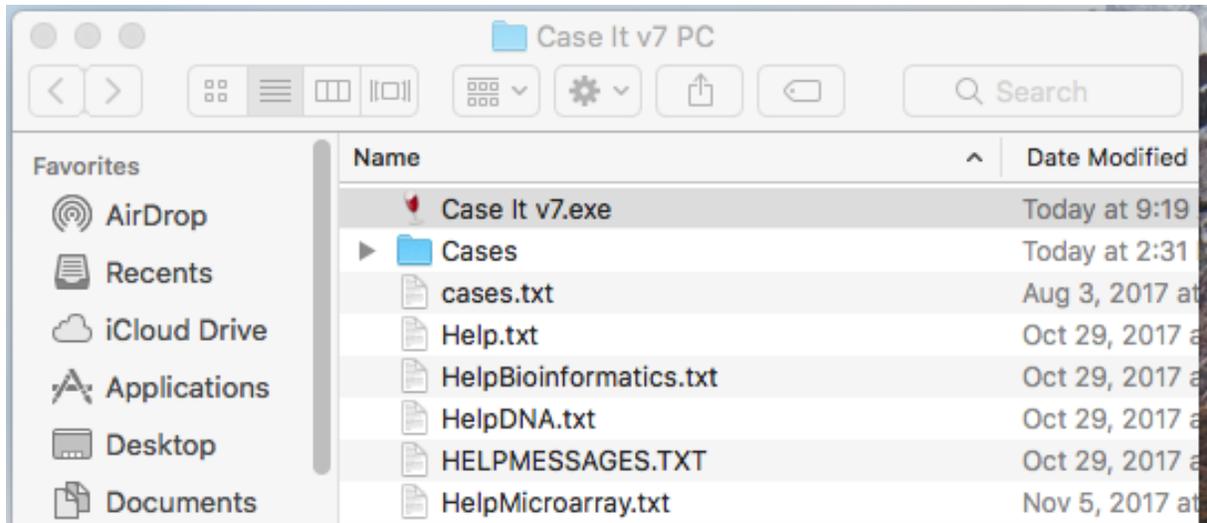
10. Right-click on the Case It v7.exe file, and select “Get Info” from the drop-down menu that appears:



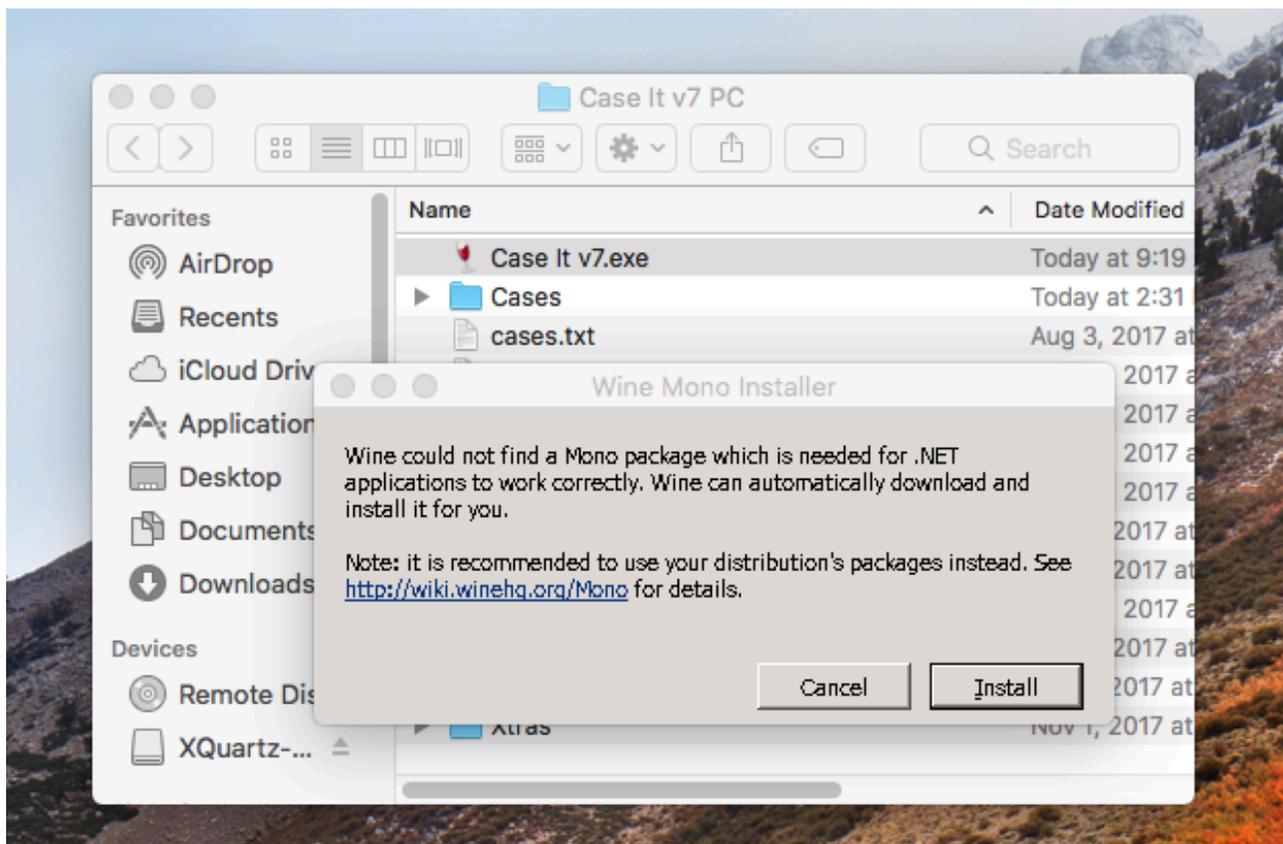
11. Select “Wine Stable.app” as the default to open Case It, and use the “Change All” button to open all similar documents with Wine Stable. This is because Case It works with the PC version of MEGA bioinformatics software. This is the only time you will have to do this.



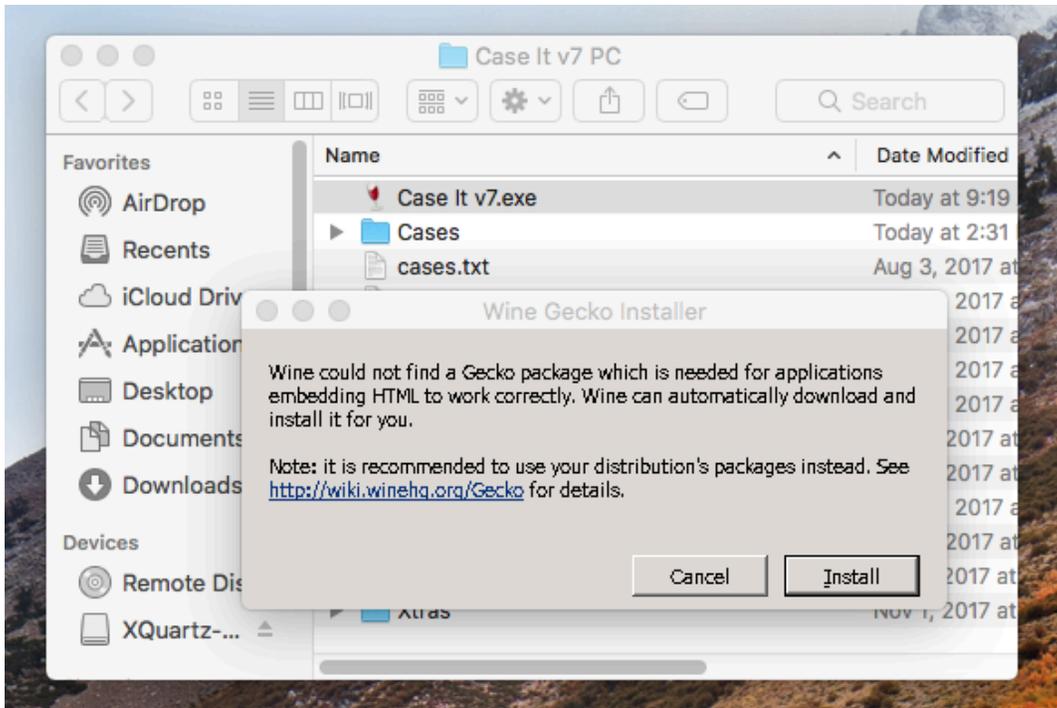
12. Double-click on the Case It v7.exe executable file, which is inside the extracted Case It folder (the file may have a name different than the one shown below, such as Case It v7.0.2).



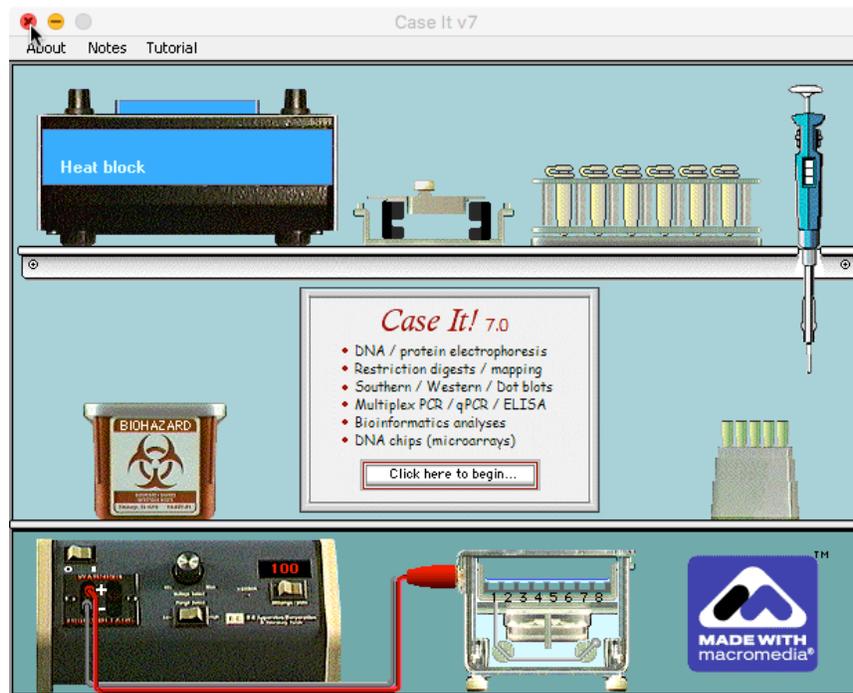
13. Before Case It opens, a dialog box will appear asking to install Mono. Click the Cancel button, as Mono is not necessary to run Case It.



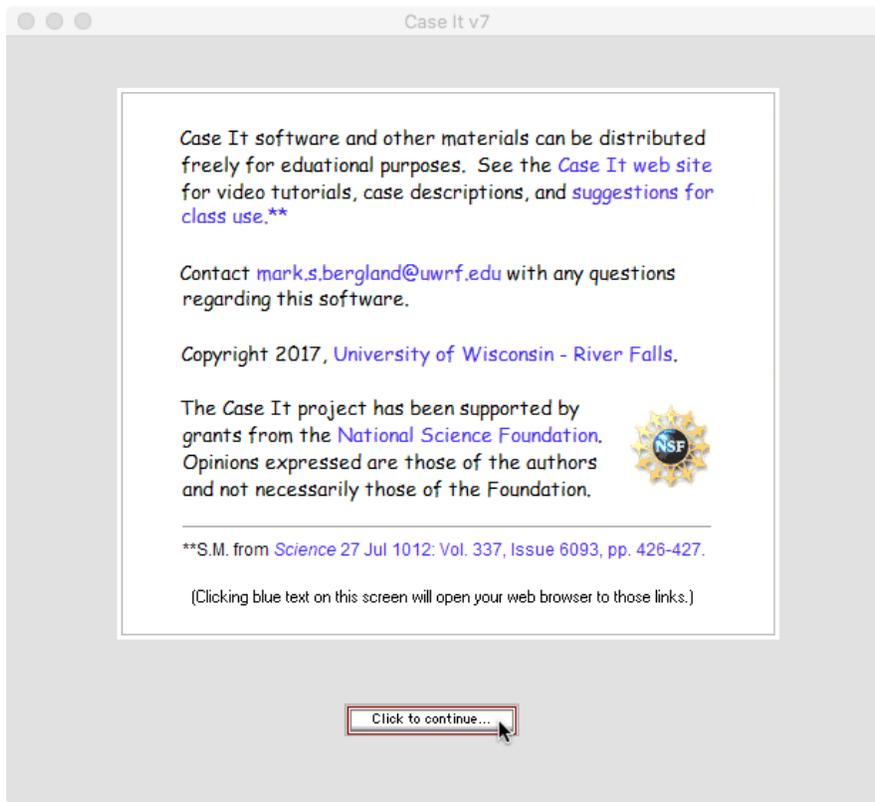
14. Another screen will appear asking to install Gecko. Click the Cancel button, as Gecko is not necessary to run Case It.



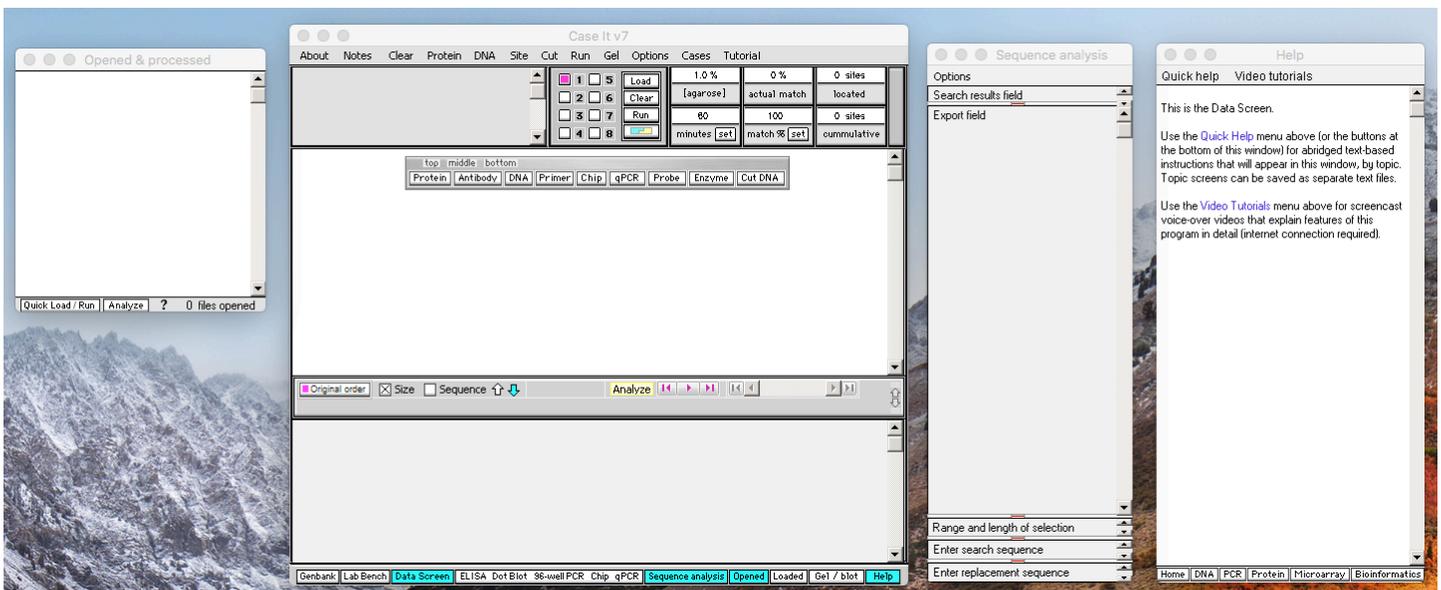
15. Case It will now open to the first splash screen. Immediately close Case It by clicking the red close button in the upper left-hand corner, and then restart it by double clicking on the Case It v7.exe file. This is the only time you will have to do this.



16. After Case It reopens, click on the 'Click here to begin' button and the second screen will appear: Click the 'Click to continue' button after reading the information on this screen.

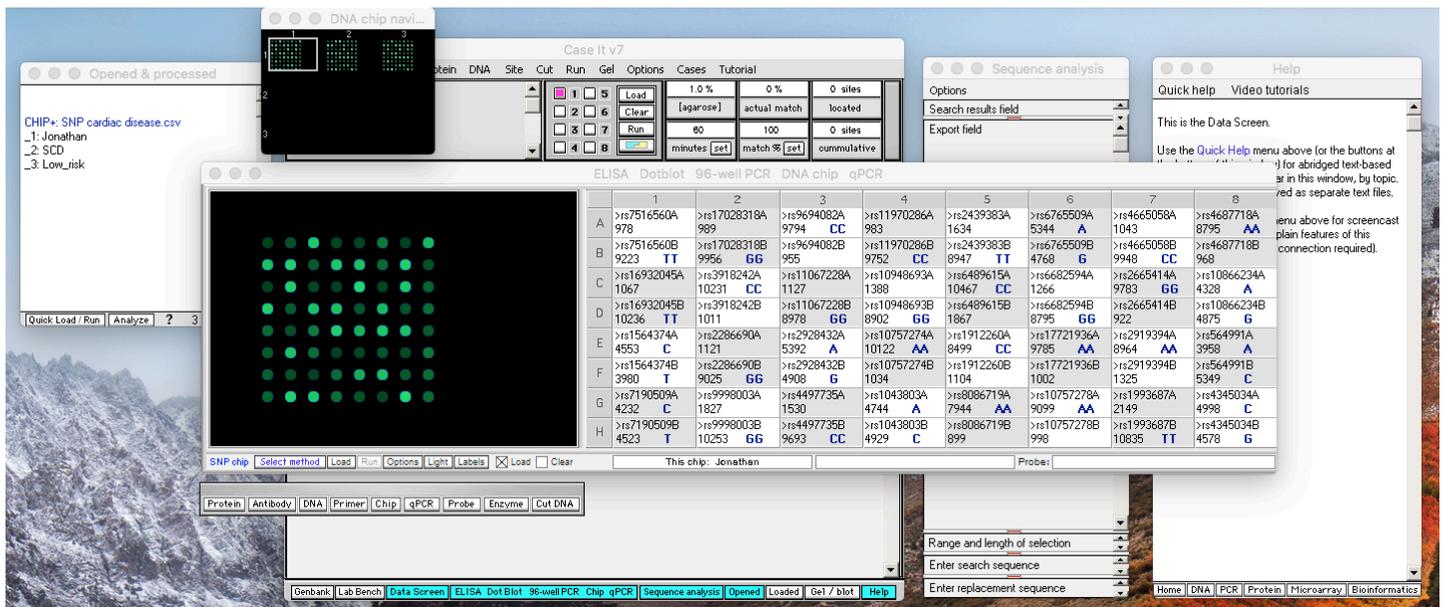


17. You will then see the Data Screen. Consult information in the Help Window (and online tutorials at [www.caseitproject.org](http://www.caseitproject.org)) for instructions on how to run the various analyses of Case It.



Note: This screen shot shows Case It v7.exe running on High Sierra (at this writing the latest version of Mac OSX).

18. As an example, the screen below shows the appearance of the Data Screen after running a SNP Microarray analysis. Note: The best way to manage the various windows is to use the Navigation Bar at the bottom of the Data Screen. You can make windows appear and disappear by clicking buttons on this bar.



19. See the “Tutorial” section of the Case It home page for detailed instructions on the use of Case It v7.exe, in PDF, Powerpoint, and screencast video format:

<http://www.caseitproject.org/tutorials-2>

Acknowledgements for Wine ([www.winehq.org](http://www.winehq.org)) and XQuartz ([www.xquartz.org](http://www.xquartz.org))

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